

Amendments to the Specification

Page 6, lines 1 to 10, amend and replace the paragraph as follows:

The wind power generation device in Figure 1 comprises: a substantially cylindrical duct 1; an impeller 2 having a plurality of blades ~~{22}~~ 21 protruding outward and rotatable around a duct axis x; and a nacelle 5 that constitutes a streamlined pencil body 3 together with the impeller 2 and houses a generator 4 that uses torque of the impeller 2 transmitted via a rotational axis ~~{24}~~ 22. The nacelle 5 is secured to the duct 1 by a post 6 protruding from an inner wall of the duct 1. Power generation energy from the generator 4 is supplied to the outside via a lead 42 passing through the post 6 and the duct 1.

Page 6, lines 11 to 16, amend and replace the paragraph as follows:

The duct 1 has a side wall with a wing section. This is intended to produce a reduced pressure area at a rear of the duct 1 and prevent generation of swirl at the rear of the duct 1 as described later. As the wing section of the side wall of the duct ~~{110}~~ 1, known shapes of airfoils: NACA653-618 (9-0.5), NACA633-618, FA66-S-196V1, or the like are used.

Page 6, lines 22, through page 7, line 6, amend and replace the paragraph as follows:

The pencil body 3 is provided so that a tip of the impeller 2 corresponding to a tip of the pencil body 3 is placed in the duct 1 and a rear end of the nacelle ~~{4}~~ 5 corresponding to a rear end of the pencil body 3 protrudes from the rear end of the duct 1. A protruding length L_2 of the rear end of the pencil body 3 from the duct 1 is set to c (>0) times a duct length L_1 . A coefficient c is expressed as a monotone decreasing function $c(q)$ that satisfies the conditions: $c(2^\circ) = 0.4$, $c(12^\circ) = 0.1$ with the predetermined angle q as a variable. This is intended to bring the rear end of the pencil body 3 close to a tip of the reduced pressure area produced at the rear of the duct 1.